

EXCAVATION WALL CONSTRUCTION METHOD

Patent number: JP2000297590
 Publication date: 2000-10-24
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 Classification:
 - international: E21D5/00; E02D17/04; E21D1/03
 - european:
 Application number: JP19990108860 19990416
 Priority number(s):

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Abstract of JP2000297590

PROBLEM TO BE SOLVED: To provide an excavation wall construction method requiring no earth retaining timbering for performing construction or reconstruction in a narrow space and for lowering a construction time and a construction cost.

SOLUTION: This excavation wall construction method includes the following processes; an excavating building process in which a plurality of box column row walls 5 connecting working box column walls 3 installed in the four corners to each other are arranged and built in predetermined positions, a PC steel wire inserting process in which a plurality of PC steel wires 7 are curved arcuately so as to be inserted for penetrating the continuously built working box column walls 3 and the box column row walls 5, a PC steel wire straining process in which both ends in each of the PC steel wires 7 are pulled so as to be fixed to the working box column walls 3, a column wall inside concrete placing process in which concrete is charged and placed in all the working box column walls 3 and the box column row walls 5, and a shaft excavating process in which the inside of the excavation wall is dug for forming a space.



